# AUTOPRO™

## Portable Infrared Thermometer for Automotive Diagnostics

## Noncontact Temperature Measurement

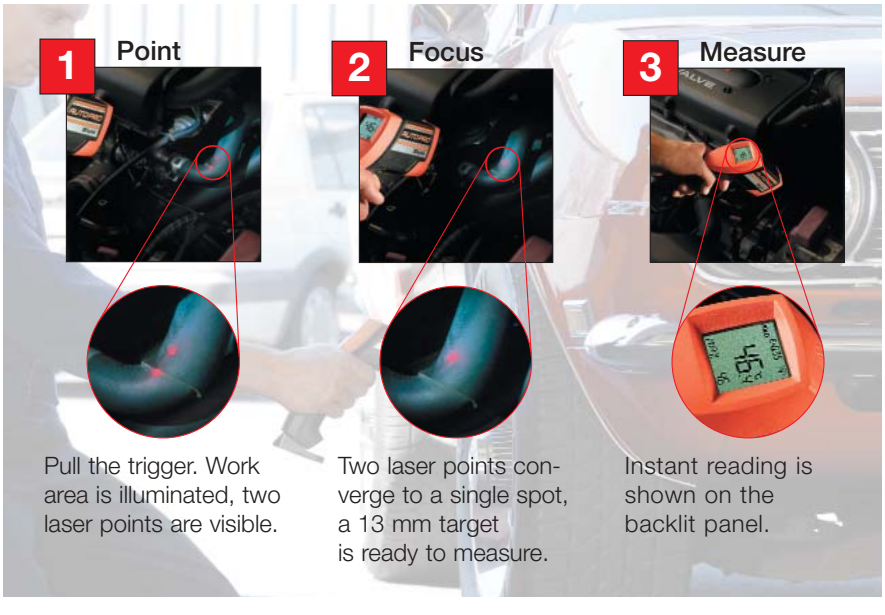
## AutoPro ST25
## For the Automotive Technician.

Temperature variances can indicate common mechanical and electrical problems. Diagnose them faster, safer and easier with AutoPro™, the noncontact infrared thermometer specially designed for the automotive professional.

AutoPro features SmartSight™ - two lasers merge into a single laser point to indicate a 13 mm target, an ideal spot-size for small area measurements often required for auto diagnostics. AutoPro can read temperatures up to 535°C, and can accurately measure in low light conditions, illuminating the work area with a built-in LED flashlight. AutoPro also features an illustrated, step-by-step user manual with detailed instructions for many common automotive diagnostic procedures, including engine misfires, exhaust and emissions, cooling systems and heating and air conditioning systems.

Get the thermometer designed especially for automotive technicians – **Nieuwkoop ST25**

SMARTSIGHT™
Laser Sighting

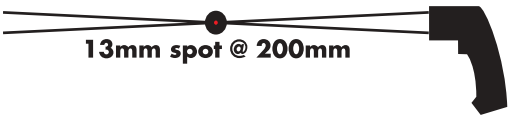

1
Point
2
Focus
3
Measure
Pull the trigger. Work area is illuminated, two laser points are visible.
Two laser points converge to a single spot, a 13 mm target is ready to measure.
Instant reading is shown on the backlit panel.

| Specifications | |
|---|---|
| Temperature Range | -32 to 535°C |
| Accuracy for target temperatures (assumes ambient temperature of 23°C ± 5°C) | For targets at 23° to 510ºC: ±1% of reading or ±1ºC, whichever is greater<br>For targets above 510ºC: ±1.5% of reading<br>For targets at -32 to -26°C: ±3ºC<br>For targets at -26 to -18°C: ±2.5ºC<br>For targets at -18 to 23°C: ±2ºC |
| Repeatability | ±0.5% or ≤ ±1ºC, whichever is greater |
| Response Time | ≤ 0.5 second (95% of reading) |
| Spectral Response | 8-14 µm |
| Emissivity | Pre-set at 0.95 |
| Ambient Operating Temp. | 0 to 50ºC |
| Relative Humidity | 10 - 90% |
| Storage Temperature | -20 to 60ºC without battery |
| Weight/Dimensions | 360 g / 205 x 160 x 55 mm |
| Power | 9 V Alkaline or NiCd Battery |
| Battery Life (Alkaline) | 4 hrs w/laser, flashlight & backlight on<br>20 hrs w/laser, flashlight & backlight off |
| Laser (Class II) | SmartSight™ dual laser sighting system |
| Typical Distance to Target | 200 mm - 600 mm |
| Distance to Spot (D:S) | Optimized for use at 200 mm<br>Approximately 16:1 at focus point |
| MAX Temp. Display | ✓ |
| Display Hold (7 seconds) | ✓ |
| LCD Backlit | ✓ |
| Temperature Display | ºC or ºF selectable |
| Display Resolution | 0.2ºC |
| Hard Case | ✓ |
| Tripod Mounting | ✓ |
| Removable base magnet | ✓ |
| Work area illumination | Bright white LED (7100 millicandle) |
| Illustrated Manual | ✓ |
| Additional Options/ Accessories | Nylon Holster<br>DKD/NIST Traceable Calibration Certificate |

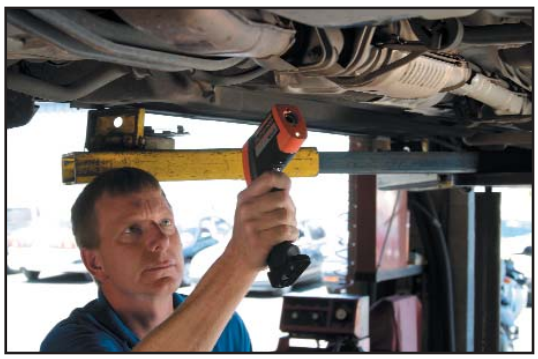
# Laser Sighting

SMARTSIGHT™

Laser Sighting




Two lasers converge to a single bright dot, for a measurement area of 13 mm.



CAUTION

LASER RADIATION • DO NOT STARE INTO BEAM
OUTPUT < 1mW
WAVELENGTH 635 nm
CLASS II LASER PRODUCT

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Raytek is ISO 9001 certified.

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*for up-to-the-minute features*